HM8C

FEATURES

- Nickel plated alloy steel IP68 shear beam load cell
- Hermetically sealed
- Suitable for electronic platform scales, hopper scales
- High accuracy



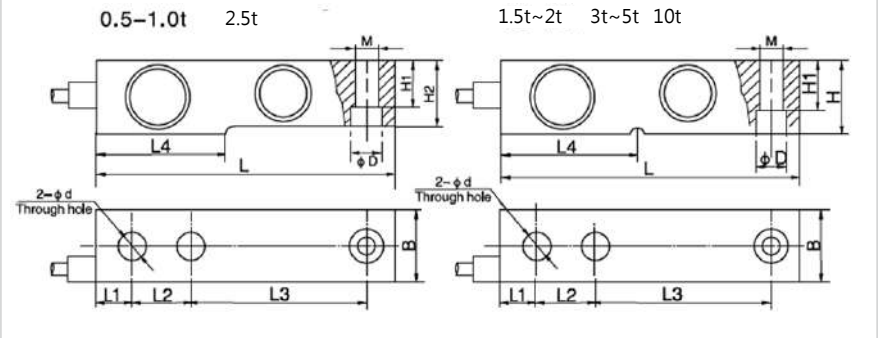
AVAILABLE MODELS

Capacity	Accuracy	Full article description
500kg	C3 Excluded from OIML	HM8C-C3-500kg-4B
1t	C3 Excluded from OIML	HM8C-C3-1t-4B
1.5t	C3 Excluded from OIML	HM8C-C3-1.5t-4B
2t	C3 Excluded from OIML	HM8C-C3-2t-4B
3t	C3 Excluded from OIML	HM8C-C3-3t-4B
5t	C3 Excluded from OIML	HM8C-C3-5t-4B
10t	C3 Excluded from OIML	HM8C-C3-10t-4B

SPECIFICATION

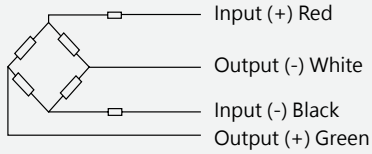
Accuracy class		C3		
Output sensitivity (=FS)	mV/V	2.0 ± 0.004		
Maximum capacity (Emax)	t	0.5/1/1.5/2/3/5/10		
Maximum number of load cell intervals (nLC)		3000		
Ratio of minimum LC verification interval Y=Emax / Vmin		10000		
Combined error	%FS	± 0.0230		
Minimum dead load	%FS	0		
Safe overload	%FS	150		
Ultimate overload	%FS	300		
Zero balance	%FS	± 1.5		
Excitation, recommended voltage	V	5 ~ 12 (DC)		
Excitation maximum	V	18 (DC)		
Input resistance	Ω	350 ± 3.5		
Output resistance	Ω	351 ± 2.0		
Insulation resistance	MΩ	⩾ 5000 (50VDC)		
Compensated temperature	℃	-10 ~+40		
Operating temperature	℃	-35 ~ +65		
Storage temperature	℃	-40 ~ +70		
Element material		Nickel plated alloy steel		
Ingress protection (acc. to EN 60529)		IP68		
Recommended torque on fixation	N.m	M12: 100	M18:300	M24:750
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C	II3G Ex nL IIC T4

DIMENSIONS IN MM



Dimension / Capacity(t)	L	L1	L2	L3	L4	H	H1	H2	B	ΦD	Φd	M
0.5	130 (5.12)	15.8 (0.62)	25.4 (1.0)	76.2 (3.0)	53.7 (2.11)	31.8 (1.25)	15.8 (0.62)	26 (1.02)	31.8 (1.25)	13.5 (0.53)	13.5 (0.53)	M12
1.0	130 (5.12)	15.8 (0.62)	25.4 (1.0)	76.2 (3.0)	53.7 (2.11)	31.8 (1.25)	15.8 (0.62)	28 (1.1)	31.8 (1.25)	13.5 (0.53)	13.5 (0.53)	M12
1.5-2	130 (5.12)	15.8 (0.62)	25.4 (1.0)	76.2 (3.0)	54.2 (2.13)	31.8 (1.25)	15.8 (0.62)	-	31.8 (1.25)	13.5 (0.53)	13.5 (0.53)	M12
2.5	171.5 (6.75)	19.1 (0.75)	38.1 (1.5)	95.3 (3.75)	76.2 (3.0)	38.1 (1.5)	18.8 (0.74)	34 (1.34)	38.1 (1.5)	19.8 (0.78)	19.8 (0.78)	M18
3-5	171.5 (6.75)	19.1 (0.75)	38.1 (1.5)	95.3 (3.75)	77.2 (3.04)	38.1 (1.5)	18.8 (0.74)	-	38.1 (1.5)	19.8 (0.78)	19.8 (0.78)	M18
10	222.3 (8.75)	25.4 (1.0)	50.8 (2.0)	120.3 (4.74)	101.6 (4.0)	50.8 (2.0)	25.4 (1.0)	-	50.8 (2.0)	26 (1.02)	26 (1.02)	M24

WIRING



- Shielded, 4 conductor cable.
- Cable diameter: Φ5mm.
- Standard cable length for 500kg -2t:4m and for 3t - 10t: 6m.
- Shield is not connected to element.